



FOR: Generic Health Medical Center **DEPT:** Hematology

MICROSCOPE CONTACT: Georgia Donaldson

PHYSICAL LOCATION of UNIT: 1546 Special Drive, Little Rock, AR **Room #:** Main Lab
(Building, Name, etc.)

MAKE: Olympus **MODEL:** BX40 **TAG I.D. #:** 266890

TYPE: Bright Field **CAMERA/TAG #:** None / **SERIAL #:** 4H06826

ARRIVAL AESTHETICS: Dusty **ALT. I.D.#** _____ **P.O. #:** B46787

MECHANICAL: The following mechanical components have been inspected, checked, tested, and adjusted if appropriate and possible.

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|---|---|
| <input checked="" type="checkbox"/> 1) Specimen Holder plane to platform compliance | <input checked="" type="checkbox"/> 8) Nosepiece turret snug and positive detent |
| <input checked="" type="checkbox"/> 2) No excess play in races of X-Y stage movement | <input checked="" type="checkbox"/> 9) No excess play in condenser races movement |
| <input checked="" type="checkbox"/> 3) No excess play in coaxial gears of X-Y stage | <input checked="" type="checkbox"/> 10) All Iris Diaphragm movements operational and smooth |
| <input checked="" type="checkbox"/> 4) No roughness or excess play in X-Y stage | <input checked="" type="checkbox"/> 11) Platform to stand correct angle (90 degrees) |
| <input checked="" type="checkbox"/> 5) Coarse focus operates correctly | <input checked="" type="checkbox"/> 12) Fine Focus operates correctly |
| <input checked="" type="checkbox"/> 6) Observation tube interpupillary distance adjust O.K. | <input checked="" type="checkbox"/> 13) All components properly attached |
| <input checked="" type="checkbox"/> 7) No detected excessively worn components | <input checked="" type="checkbox"/> 14) No detected mechanical problems |

OPTICAL: The following optical components have been inspected, cleaned, tested, and adjusted if appropriate and possible

- 15) Eyepieces – contaminants are removed from the exterior lens surfaces and they are inspected for any damage
- 16) Observation Tube – air jet dust from interior chamber and inspect for deteriorated reflective surfaces and prism alignment
- 17) Objectives - inspected for deteriorated coatings, excess wear (scratches), seal integrity, other damage
- 18) Objectives Currently Present: 10,40,50,100
- 19) Condenser and illuminator optics – contaminants removed, surfaces inspected, components aligned
- 20) Optical Attachments (e.g., Magnification Changers, Filters, Polarizers) properly installed, aligned

ELECTRICAL: The following components including cords, plugs, terminals & illuminator parts are evaluated.

- 21) Lamp house and/or lamp socket integrity
- 22) Illuminator On/Off switch
- 23) Illuminator Intensity Controls
- 24) Transmitted/Reflected Bulb(s): 6v30w

Accessories

Blue Filter

PERFORMANCE EVALUATION (Subjective):

P1) Operational performance within design potential is:

- Excellent
- Good
- Marginal
- Unacceptable

P2) Performance capability for current application is:

- Acceptable
- Marginal
- Unacceptable

(Recommendations suggested to bring to optimum)

NOTES / CURRENT CONDITION: Cleaned & Serviced.

OBJECTIVES: 10x is a little scratchy but does not affect image.

BLUE FILTER: Major chip one side

CORRECTIVE ACTIONS / REPAIRS:

OCULARS: Left exit retaining ring is cracked and recommend changing soon before it breaks in two. See picture to right.



Parts:	Travel Time: _____ Hours	Extra Labor Required? <u>No</u>	Extra Time: _____ Hours
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Service Technician: Jason Godwin
Email: jason@deltaoi.com

Date: 1/21/2013

Approved By: Georgia Donaldson

Approver's Email: donaldsong@ghmc.org

	Customer	Department	Physical Location	Room #	Scope Contact	Tag #	Serial #	Type	Mfg	Model	Objectives Present	Transmitted/ Reflected Bulb(s):	Accessories	Date of Service	T e c h 1	T e c h 2	Cleaned & Serviced	Notes / Current Condition	Corrective Actions/Repairs	Recommendations	P a r t s	E L X a t b o r a r	Extra Hours labor
1	Generic Health Medical Center	Hematology	1546 Special Drive, Little Rock, AR	Main Lab	Georgia Donaldson	266890	4H06826	Bright Field	Olympus	BX40	10,40,50,100	6v30w	Blue Filter	01/21/13	JG		Yes	OBJECTIVES: 10x is a little scratchy but does not affect image. BLUE FILTER: Major chip one side	OCULARS: Left exit retaining ring is cracked and recommend changing soon before it breaks in two. See picture to right.	V		No	-
2	Generic Health Medical Center	Blood Bank	1546 Special Drive, Little Rock, AR	Main Lab	Blood Bank	283146	49-70-65-9912	Bright Field	Zeiss	Standard	10,C,C,C	120v	Blue Filter, test tube holder	01/22/13	JG	0	Yes	OBJECTIVE: pits in the A/R coating 10x SUB. CONDENSER: dust internally (this does show up in image when the condenser is at Kohler height, however the condenser is set low for contrast) OCULARS: Delamination in both oculars visible in image		0		No	
3	Generic Health Medical Center	Blood Bank	1546 Special Drive, Little Rock, AR	Main Lab	Blood Bank	288344	142935	Bright Field	Nikon	YS-2	4,10,40,100	120v 30w silverback	Blue Filter	01/22/13	JG	0	Yes			0		No	
4	Generic Health Medical Center	Hematology	1546 Special Drive, Little Rock, AR	Main Lab	Hematology	36124	4A00529	Bright Field	Olympus	BX40	10,40,50,100	6v30w	LBD-IF filter	01/21/13	JG	0	Yes	Missing one eyeshield		0		No	
5	Generic Health Medical Center	Hematology	1546 Special Drive, Little Rock, AR	Main Lab	Hematology	286763	881037	Bright Field	A/O	Spencer	10,45,45,100	Secondary light source		01/21/13	JG	0	Yes			0	1460 Bulb	No	
6	Generic Health Medical Center	Hematology	1546 Special Drive, Little Rock, AR	Main Lab	Hematology	3357944	3308003633	Bright Field	Zeiss	Axioskop	10,40,100,50	12v35w	Blue Filter	01/22/13	JG	0	Yes	BODY: Many pen marks on the body. SUB. CONDENSER: a couple of minor scratches on the entrance lens; OBJECTIVES: 10x & 40x both have minor scratches in the AR coating but doesn't affect image.		0		No	
7	Generic Health Medical Center	Hematology	1546 Special Drive, Little Rock, AR	Main Lab	Hematology	3887111	240526	Bright Field	Nikon	Labophot	4,10,40,100,50	6v20w		01/21/13	JG	0	Yes	OBJECTIVES: 4x had oil present, 10x very oily and very scratchy with bad deterioration of the A/R coating; 40x has deterioration of A/R coating; SUB. CONDENSER: Scratchy. HEAD: Internal irremovable dust in the head.	Tech complained that the illumination was not bright enough on 50x oil objective. After service and alignment was completed illumination was brought back to optimum,	0		No	
8	Generic Health Medical Center	Histology	1546 Special Drive, Little Rock, AR	Histology	Histology	351899	243121	Bright Field	Nikon	Labophot-2 Head	4,10,2040,63	6v20w	LBD-IF	01/22/13	JG	0	Yes			0		No	
9	Generic Health Medical Center	Microbiology	1546 Special Drive, Little Rock, AR	Microbiology		295746	4H06816	Bright Field	Olympus	BX40	40,100,C,10,C	6v30w	Blue Filter	01/23/13	JG	0	Yes	OBJECTIVES: 10x has many scratches on the a/r coating, 100x several scratches HEAD: Has some internal irremovable dust.		0		No	
10	Generic Health Medical Center	Microbiology	1546 Special Drive, Little Rock, AR	Microbiology	Microbiology	296864	4A03369	Bright Field	Olympus	BX40	20,100,10,40,C	6v30w		01/23/13	JG	0	Yes			0	AF60020 O-P	Yes	0.50